

Staten Island University Hospital South Project

Developer: KeySpan
Business Solutions
Operator: Staten Island
University Hospital
Location: 75 Seguine
Avenue, Staten Island,
NY 10309
Installed: 1992



Why the project was developed

The project was developed to provide utility cost savings for the Hospital. This was accomplished because a sizable thermal load exists. Additionally, the project also enhanced reliability for the

Hospital. When electrical grid outages occur, the plant operates isolated from the utility, and provides power to all the loads. The waste heat is used for space heating, autoclaves, domestic

hot water, and absorption chillers. KeySpan Business Solutions provided design, construction, maintenance, and financing.



Key Technical Data

- 2 Caterpillar gas engines totaling 1,150 Kw installed capacity.
- Ebullient cooling and exhaust heat recovery provide low pressure and high pressure steam (3,000 pounds per hour total).
- NOx control dry catalysts limit emissions.
- Electric parallel operation with isolated “emergency” capability keeps plant running during grid outage.
- Peak shaving capability.